

H. J. FERRIS.

TRACK FOR DOOR HANGERS.
APPLICATION FILED NOV. 6, 1916.

1,235,453.

Patented July 31, 1917.

2 SHEETS—SHEET 1.

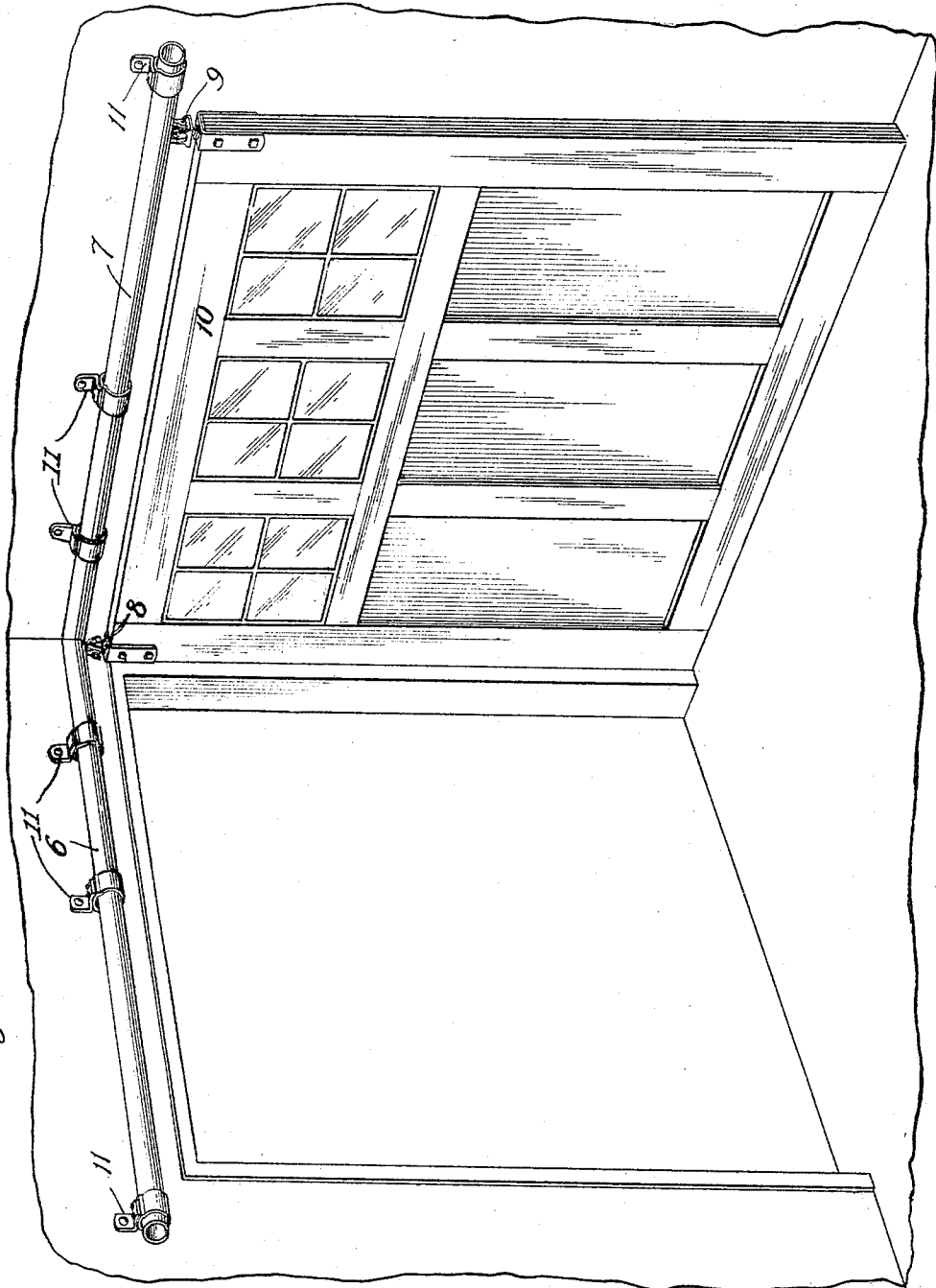


Fig. 1.

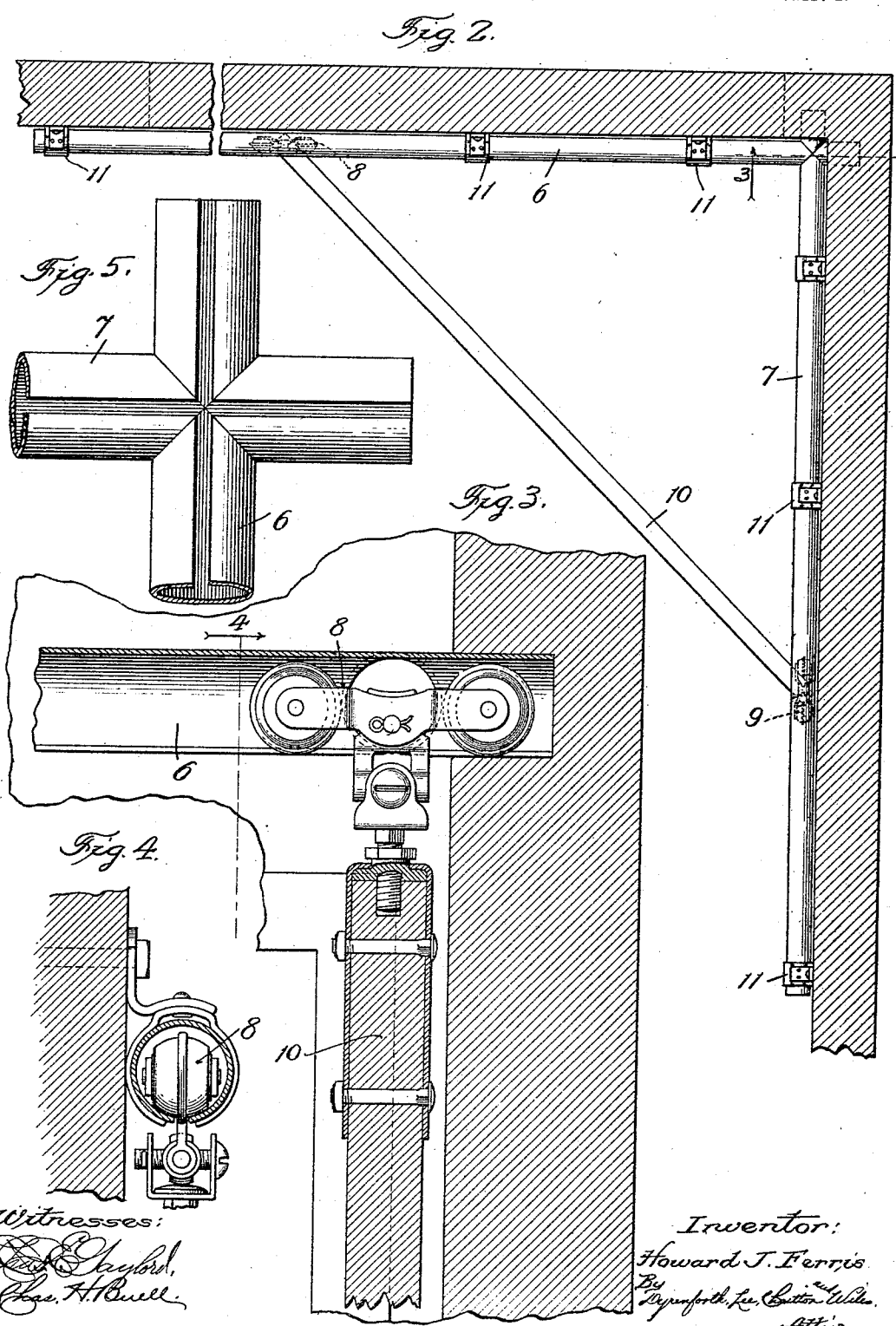
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

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TRACK FOR DOOR-HANGERS.

1,235,453.

Specification of Letters Patent.

Patented July 31, 1917.

Application filed November 6, 1916. Serial No. 129,720.

To all whom it may concern:

Be it known that I, HOWARD J. FERRIS, a citizen of the United States, residing at Harvard, in the county of McHenry and State of Illinois, have invented a new and useful Improvement in Tracks for Door-Hangers, of which the following is a specification.

My invention relates to certain new and useful improvements in tracks for door-hangers, and is fully described and explained in the specification and shown in the accompanying drawings, in which:

Figure 1 is a perspective showing my improved track in use; Fig. 2 is a top plan showing the walls of the building in horizontal section; Fig. 3 is a vertical section on the line 3 of Fig. 2 with the door in open position; Fig. 4 is a section on the line 4 of Fig. 3, and Fig. 5 is a bottom plan of the track junction.

Referring to the drawings, 6 and 7 are two trolley tracks, that is, hollow tracks slotted on their lower faces to permit the depending part of a door-hanger within the track to project downward. Door hangers 8 and 9 run in the tracks 6 and 7, respectively. The track is of a cross-section now well known and widely marketed and the hangers are likewise of the well known form which are adapted to the particular track shown. 10 is the door and to it the hangers are secured by a swiveling connection of a well-known type.

The two tracks lie in the same horizontal plane so that the hangers are of the same kind and the tracks meet at the corner of the building and are joined as shown in Figs. 2 and 5, and each is continued beyond the junction for a short distance, the slots in the lower faces of the track being continuous and crossing each other at a right-angle as shown in Fig. 5. The particular manner in which the corner junction is made is not material to the present invention. I prefer at the present time to form the junction by appropriately cutting the two tracks and then welding them together so as to form a single integral structure. There is thus formed a right-angled trolley-track

structure in which the tracks meet in the same plane and each is extended slightly beyond the line of the other so that either hanger can run in its own track sufficiently beyond the line of the other track to bring its depending member into the line of the slot in the other track, whereby the door can be brought flat against either wall of the building.

The length of the tracks is immaterial to the present invention. I prefer, however, to make the two tracks which are joined at the corner relatively short, say, about three feet each in length, and then to supply the remainder of the tracks 6 and 7 in similar lengths which can be joined to the corner lengths by means now well understood in the art. The brackets 11, which are shown as supporting both tracks, serve to aline the sections where they join the corner sections.

I realize that the present structure is capable of considerable modification and particularly that the present arrangement can be adapted to tracks of varying cross-sections and I therefore do not intend to limit myself to the specific form herein shown and described, except as pointed out in the following claim, in which it is my intention to claim all the novelty inherent in the construction as broadly as is permitted by the state of the art.

What I claim as new and desire to secure by Letters Patent is:

In combination, two lengths of angularly disposed slotted trolley track circular in cross section and lying in the same plane, said lengths having adjacent pointed ends according to the angle formed thereby, and two additional complementary pieces of the same contour and cross section welded to the main trolley tracks to form a single integral rigid member, said parts being so positioned and arranged that said tracks meet and cross each other and each is carried sufficiently beyond the other whereby a hanger in each can lie at an angle to the other and with its depending member in line with the slot thereof.

HOWARD J. FERRIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."